MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1935

J. A. BROWN, DIRECTOR

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DECEMBER 1935

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm +...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.1	59.2	60.7	59.7	16.8	13 4	15.1	15.8	16.1	15.7
2	61.7	61.6	2.4	61.9	18.3	14.0	14.2	16.7	16.3	15.7
3	3.5	3.3	4.6	3.8	19.8	14.9	17.6	19.2	15.9	17.6
4	4.8	4.1	5.1	4.7	20.0	15.3	16.9	19.4	18.3	18.2
5	4.7	3.2	3.8	3.9	20.4	15.9	17.8	19.7	18.2	18.6
6	63.4	60.8	60.9	61.7	20.5	16.4	18.6	20.1	17.4	18.7
7	1.0	0.5	1.0	0.8	21.2	15.3	19.3	21.0	17.1	19.1
8	1.8	0.6	1.2	1.2	19.3	14 9	17.6	18.9	17.0	17.8
9	2.1	1.6	2.0	1.9	19.9	15.0	17.6	18.7	16.5	17.6
10	0.4	59.5	1.5	0.5	20.2	13.6	17.7	19.0	18.4	18.4
11	63.0	61.8	62.1	62.3	18.8	12.8	14.2	16.4	17.0	15.9
12	2.1	2.0	2.2	2.1	17.1	14.4	15.6	15.9	14.6	15.4
13	3.1	1.3	1.6	2.0	20.0	14.7	17.1	19.7	16.6	17.8
14	3.3	3.7	4.9	4.0	18.4	14.2	15.7	17.7	15.4	16.3
15	4.6	3.4	3.7	3.9	18.3	12.9	16.8	17.7	14.7	16.4
16	62.7	60.7	60.4	61.3	18.3	13.1	15.8	17.6	15.4	16.3
17	0.2	0.0	1.7	0.6	17.6	12.4	14.3	16.5	13.8	14.9
18	1.7	1.2	2.4	1.8	16.9	12.9	16.1	15.4	13.3	14.9
19	3.1	1.7	1.6	2.1	18.3	14.6	15.6	16.6	15.7	16.0
20	1.8	2.1	3.1	2.3	18.6	14.1	17.6	18.4	15.6	17.2
21	63.9	63.1	63.5	63.5	19.3	13.1	16.5	18.1	15.5	16.7
22	4.6	3.8	4.0	4.1	18.7	14.2	16.3	18.1	15.7	16.7
23	4.9	4.9	5.8	5.2	18.3	12.8	16.6	16.3	15.1	16.0
24	6.2	4.9	4.1	5.1	17.7	15.0	16.1	16.8	15.7	16.1
25	3.1	0.9	0.4	1.5	19.8	14.4	15.9	18.7	15.5	16.7
26	59.6	59.2	60.4	59.7	17.2	13.4	15.6	15.9	15.2	15.6
27	62.4	62.2	3.5	62.7	17.7	13.2	15.0	17.2	13.7	15.3
28	4.2	3.6	5.1	4.3	17.7	12.4	13.8	17.1	13.2	14.7
29	4.4	3.2	3.8	3.8	18.4	12.6	13.9	17.6	15.1	15.5
30	4.3	3.8	4.2	4.1	17.3	11.5	14.8	17.0	14.3	15.4
31	4.9	4.3	5.2	4.8	16.6	11.3	14 5	16.4	13.8	14.9
	762.92	762.14	762.80	762.62	18.63	13.85	16.14	17.73	15.68	16.52

Barometer, range for month 759.1 mm.—766.2 mm.

„ 50-yr. average for month 763.285 mm.

Thermometer, Range for month 11.3 C.—.21.2 °C.

„ 50-yr. average for month 15.90 °C.

Rain, total for month 111.354 mm.

„ , 50-yr. average for month 190.75 mm.

„ , total, Sept. 1st to end of month 443.814 mm.

50-yr. average, Sept. 1st to end of month 385.83 mm.

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	13.2	13.9	13.1	10.1	10.6	9.4	10.0	79	80	70	76	0.9	17.20
2	13.7	14.7	14.4	11.3	11.2	11.0	11.2	93	79	80	84	0.8	9.48
3	14.9	15.4	13.2	10.9	10.7	9.6	10.4	72	65	72	70	8.0	7.42
4	14.2	16.2	16.0	10.4	11.6	12.0	11.3	72	69	77	73	6.2	
5	14.2	17.0	14.3	9.9	12.6	9.9	10.1	65	74	63	67	9.3	
6	15.6	18.3	16.6	11.3	14.4	13.4	13.0	72	82	91	82	8.9	
7	16.0	19.3	16.7	11.5	15.4	13.8	13.6	69	83	95	82	8.5	
8	15.9	17.2	15.4	12.2	13.4	12.0	12.6	81	82	84	82	8.9	
9	14.6	16.6	13.3	10.5	12.6	9.5	10.8	70	78	68	72	8.9	
10	13.4	16.7	15.7	9.1	12.5	11.6	11.1	61	77	74	71	4.8	6.63
11	13.3	13.4	13.9	10.8	9.7	10.0	10.2	90	70	69	76	4.1	4.52
12	13.2	13.8	12.8	9.9	10.5	10.0	10.1	75	79	81	78	4.2	3.91
13	14.7	16.7	15.3	10.9	12.2	12.1	11.7	75	79	86	78	5.4	0.25
14	14.8	16.0	12.7	11.9	12.4	9.4	11.2	91	83	72	82	4.2	1.73
15	13.9	15.0	12.4	10.2	11.0	9.4	10.2	72	72	76	73	7.6	
16	11.7	14.6	12.0	8.1	10.5	8.6	9.0	60	69	66	65	4.0	
17	12.9	13.9	12.3	10.6	10.2	9.8	10.2	84	73	83	80	3.1	4.39
18	13.4	14.4	12.9	9.8	11.6	10.9	10.8	73	90	95	86	1.4	20.55
19	14.4	14.8	13.9	11.5	11.4	10.7	11.2	88	82	82	84	3.6	1.58
20	13.6	15.4	13.7	9.4	11.2	10.5	10.3	63	72	80	72	6.8	
21	14.8	15.5	13.7	11.4	11.5	10.5	11.1	82	75	81	79	2.4	
22	13.7	16.2	14.4	10.1	12.4	11.3	11.3	74	81	85	80	4.2	0.28
23	14.4	15.2	13.5	10.8	12.1	10.5	11.2	77	88	83	83	4.1	1.98
24	12.9	14.7	13.7	9.3	11.0	10.5	10.3	69	77	79	75	7.0	
25	13.1	15.9	12.7	9.5	11.9	9.4	10.3	71	73	72	72	0.8	
26	13.3	13.3	12.7	9.9	9.8	9.5	9.8	76	74	74	75	0.3	1.22
27	12.9	14.9	13.1	9.8	11.2	10.8	10.6	77	77	93	82	0.5	5.59
28	12.7	14.8	13.0	10.2	11.1	10.9	10.7	87	77	94	86	2.0	19.61
29	12.6	15.4	13.4	10.0	11.7	10.5	10.7	85	78	82	82	3.7	5.03
30	11.5	14.6	12.0	8.3	10.8	9.1	9.4	66	75	76	72	9.5	
31	10.8	14.8	9.8	7.8	11.5	7.1	8.8	64	83	62	70	9.3	
				10.24	11.64	10.44	10.77	75.3	77.4	78.9	77.1	4.95	3.59

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	10cu	9cu	8cu	9.0	1n	1n	3s	628.5	rough	L. eve.
2	9cu	10nbstcu	9cu	9.3	1n	2s	3n	540.7	light	
3	1stcu	2stcu	0	1.0	1s	1s	1s	528.8	„	
4	9cicu	5ci	0	4.7	0	1s	1s	79.2	mod.	
5	0	0	0	0.0	0	0	0	70.2	„	
6	0	1cu	0	0.3	0	1s	0	24.3	slight	thin M. a.m.
7	3cu	8cu	1cu	4.0	0	0	0	130.9	„	heavy D. „
8	0	0	0	0.0	0	0	0	1.5	light	„ „ „
9	0	0	0	0.0	0	0	0	36.2	slight	[L. T. eve.
10	0	10cu	9nb	6.3	0	0	5sw	148.0	mod.	SWG; Ma.m.; F.p.m.
11	10cu	6nbcu	6cu	7.3	1s	1sw	1sw	592.2	stormy	F.a.m.p.m;SWGpm.Leve
12	10nb	9cu	4cicu	7.7	2sw	2sw	0	728.0	„	F. a.m.
13	4cicu	1stcu	0	1.7	0	2sw	0	306.8	rough	thin M. a.m.
14	10nb	9nbstcu	0	6.3	1s	0	0	366.8	stormy	thin F. a.m.
15	9ci	0	0	3.0	0	1n	0	72.3	mod.	
16	5ci	10cu	0	5.0	0	1s	0	13.9	slight	thin M. a.m. p.m.
17	10nb	5nbcu	0	5.0	1s	3sw	0	347.9	mod.	F. a.m; L.T. eve
18	10stcu	8nbcu	9cu	9.0	1n	1w	0	448.4	„	thin F. a.m.
19	8stcu	7stcu	0	5.0	1s	1n	1n	189.8	„	
20	9cistcu	1stcu	1cu	3.7	1s	1s	0	192.8	„	thin M. a.m.
21	9stcu	8stcu	2cu	6.3	0	0	0	124.5	slight	
22	9cistcu	4cistcu	0	4.3	1s	0	1s	52.6	„	
23	3cu	7stcu	0	3.3	0	1s	0	194.6	„	thin M. a.m.
24	0	0	0	0.0	1se	3e	1w	114.5	rough	„ „ „
25	8ci	5ci	0	4.3	1w	1w	0	78.1	light	„ „ „
26	7cistcu	10nb	9stcu	8.7	2s	4se	0	258.8	rough	„ „ „;SEGp.m.
27	8cicu	5cistcu	2stcu	5.0	1n	1w	0	250.7	slight	
28	10stcu	8cistcu	10nb	9.3	0	1sw	0	247.5	„	thin F. am.L. eve.
29	6cistcu	10nb	0	5.3	0	0	0	178.1	„	„ „ „
30	0	0	0	0.0	0	0	0	30.3	„	
31	0	0	0	0.0	0	1s	2s	76.9	mod.	
				4.35	0.5	1.0	0.6	227.68		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	4	0	0	1	8	1	1	0	16	31
14:30	3	0	1	1	8	5	3	0	10	31
20:30	2	0	0	0	5	2	1	0	21	31
Totals	9	0	1	2	21	8	5	0	47	93

Number of days with rain 17, fog 3, thunderstorms 2, gales 3.

50-yr. average number of days with rain during month 13.4

Abbreviations used in "Notes"; Dew (D), Fog (F), Gale (G), Lightning (L), Mist (M), Thunder (T).